

ABSTRACT

A self-sustaining control for a heating system, having conventional operational modes and pilot burner assembly, is disclosed. A controller directs operation in accordance with a need-based protocol and monitors the condition of a storage device, which provides system power during the stand-by or off mode under normal conditions. A thermo-electric device is in thermal communication with the pilot burner assembly and powers the system whenever the pilot is lit. Regardless of heat need, the controller directs operation in a pilot-on mode, in lieu of an off mode, whenever the storage device is compromised.